

EXHIBIT "A"



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AUGUST 15, 2001

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LEYDIG, VOIT & MAYER, LTD.
JOHN B. CONKLIN
TWO PRUDENTIAL PLAZA, SUITE 4900
CHICAGO, ILLINOIS 60601-6780



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UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 05/29/2001

REEL/FRAME: 011858/0694
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
MANNI, SARAT C.

DOC DATE: 05/01/2001

ASSIGNOR:
RAMARATHNAM, BAMA

DOC DATE: 05/01/2001

ASSIGNOR:
KENI, MAHESH G.

DOC DATE: 05/16/2001

ASSIGNEE:
MICROSOFT CORPORATION
ONE MICROSOFT WAY
REDMOND, WASHINGTON 98052

SERIAL NUMBER: 09867303
PATENT NUMBER:

FILING DATE: 05/29/2001
ISSUE DATE:

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PAT/TM Due Date

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DIANE RUSSELE, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

Leydig, Voit & Mayer, Ltd.
Attorneys at Law
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180 North Stetson
Chicago, Illinois 60601-6780

ASSIGNMENT

WHEREAS, we Sarat C. Manni of 4306 156th Avenue NE, Apartment PP147, Redmond, Washington 98052, Bama Ramarathnam of 23815 NE 24th Place, Sammamish, Washington 98074 and Mahesh G. Keni of 17727 NE 104th Way, Redmond, Washington 98052 (hereinafter referred to as ASSIGNORS), are the joint inventors of an invention entitled GENERIC USER CONTROL POINT TOOL FOR UNIVERSAL PLUG AND PLAY (UPnP) DEVICES as described and claimed in the specification forming part of an application for United States letters patent filed herewith;

WHEREAS, Microsoft Corporation (hereinafter referred to as ASSIGNEE), a corporation of the State of Washington having a place of business at One Microsoft Way, Redmond, Washington 98052, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention,

In re Application of Manni et al.
Application Number Unassigned
Assignment

treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their

successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

Date

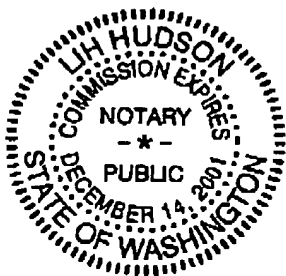
05/01/01

Sarat C. Manni

STATE OF Washington)
COUNTY OF King) SS:

On this 1st day of May, 2001, before me, a Notary Public in and for said county, appeared Sarat C. Manni, who is personally known to me to be the same person whose name is subscribed to the foregoing assignment document, and acknowledged that he/she signed and delivered the document as his/her free and voluntary act for the uses and purposes therein set forth.

Notary Public

My Commission Expires: 12-14-2001

In re Application of Manni et al.
Application Number Unassigned
Assignment

Date 05/01/01

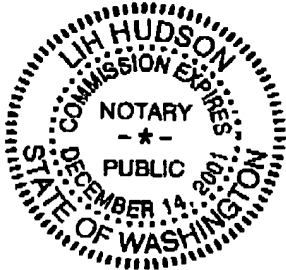
Bama Ramarathnam
Bama Ramarathnam

STATE OF Washington)
COUNTY OF King) SS:

On this 1st day of May, 2001, before me, a Notary Public in and for said county, appeared Bama Ramarathnam, who is personally known to me to be the same person whose name is subscribed to the foregoing assignment document, and acknowledged that he/she signed and delivered the document as his/her free and voluntary act for the uses and purposes therein set forth.

John Hudson
Notary Public

My Commission Expires: 12-14-2001



Date 05/16/01

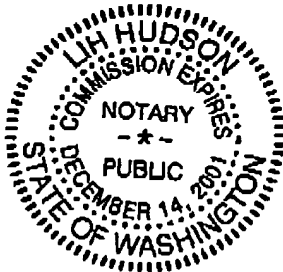
Mahesh G. Keni
Mahesh G. Keni

STATE OF Washington)
COUNTY OF King) SS:

On this 16th day of May, 2001, before me, a Notary Public in and for said county, appeared Mahesh G. Keni, who is personally known to me to be the same person whose name is subscribed to the foregoing assignment document, and acknowledged that he/she signed and delivered the document as his/her free and voluntary act for the uses and purposes therein set forth.

John Hudson
Notary Public

My Commission Expires: 12-14-2001



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Conveying Party(ies) 1. MANNI, Sarat C. 2. RAMARATHNAM, Rama 3. KENI, Mahesh G. 4. 5. 6. <input type="checkbox"/> Mark if Additional Names of Conveying Parties Attached		Execution Date(s) May 1, 2001 May 1, 2001 May 16, 2001								
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Correspondent Name and Address John B. Conklin, Reg. No. 30,369 Leydig, Voit & Mayer, Ltd. Two Prudential Plaza, Suite 4900 Chicago, Illinois 60601-8780		Telephone: (312) 616-5600 Facsimile: (312) 616-5700 Attorney Docket No. 207197								
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Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$40.00										
Method of Payment <input checked="" type="checkbox"/> Enclosed is a check in the amount of \$858.00, \$40.00 of which is for the Assignment <input type="checkbox"/> Charge Deposit Account No. 12-1216 Authorization to Charge Additional Fees to Deposit Account No. 12-1216: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No										
Statement and Signature To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.										
John B. Conklin, Reg. No. 30,369 Name of Person Signing		 Signature May 29, 2001 Date								